



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

In re Application of: § Atty Docket No.: 94.0048
Schlumberger § (GEOA,157/US)
Technology Corporation §
§
§
Serial No.: 10/081,090 § Examiner: V. Taylor
§
§
Filed: February 22, 2002 §
§
For: **METHOD AND APPARATUS** §
FOR DETECTING §
FRACTURES USING § Group Art Unit: 2863
FREQUENCY DATA DERIVED §
FROM SEISMIC DATA §

MAIL STOP RCE
COMMISSIONER FOR PATENTS
P. O. BOX 1450
ALEXANDRIA, VA 22313-1450

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date indicated below with sufficient postage as first class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Mark R. Wisner, Registration No. 30,603

March 12, 2004
Date of Signature

INFORMATION DISCLOSURE STATEMENT

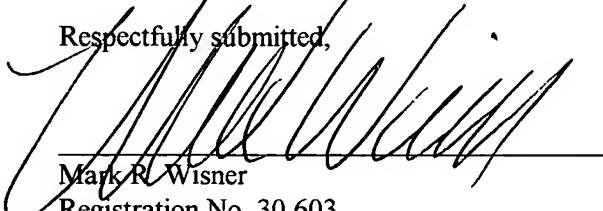
Sir:

In compliance with Applicant's duty of candor and good faith, Applicant files this Information Disclosure Statement in accordance with the provisions of 37 C.F.R. §1.98 to make the references listed on the attached Form PTO-1449 of record in the captioned application. Also enclosed is/are:

- Certification for information submitted during time period specified in 37 C.F.R. §1.97 (c) and/or (d) in accordance with 37 C.F.R. §1.97 (e);
- Check in the amount of the fee set forth in 37 C.F.R. §1.17 (p) in accordance with 37 C.F.R. §1.97 (c);
- Petition requesting consideration of information submitted during time period specified in 37 C.F.R. §1.97 (d) in accordance with 37 C.F.R. §1.97 (d) (2);
- Check in the amount of the fee set forth in 37 C.F.R. §1.17 (i) in accordance with 37 C.F.R. §1.97(d)(3);
- Stamped, self-addressed post card acknowledging receipt of this paper and the other paper(s) marked with an "x" in the above list.

Please return the enclosed postcard, properly date stamped, to the undersigned attorney for Applicant upon receipt of the enclosures. In the event there are fees associated with this filing for which a check is inadvertently not enclosed, unsigned, or is insufficient in amount, the Commissioner is authorized to charge the deposit account of Wisner & Associates, Deposit Account No. 50-0965 (GEOA,157-US) in the amount of any deficiency.

Respectfully submitted,



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ATTORNEY FOR APPLICANT

Date: March 12, 2004

INFORMATION DISCLOSURE CITATION P.T.O. FORM 1449 <i>(Use several sheets if necessary)</i>		ATTY. DOCKET NO.: 94.0048 (GEOA,157/US)	SERIAL NO.: 10/081,090
		APPLICANT: Najmuddin, Ilyas	
		FILING DATE: February 22, 2002	GROUP: 2963



U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

			Dasgupta, Rahul and Roger A. Clark, "Estimation of Q from surface seismic reflection data," <i>Geophysics</i> , Vol. 63, No. 6, November-December 1998 (pp. 2120-2128).
			Varela, Carlos Lopo, Andre L.R. Rosa and Tadeusz J. Ulrych, "Modeling of attenuation and dispersion," <i>Geophysics</i> , Vol. 58, No. 8, August 1993 (pp. 1167-1173).
EXAMINER			DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.